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10/1/02

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/642,034

DATE: 10/01/2002

TIME: 15:43:42

Input Set : A:\18501-97.app

Output Set: N:\CRF4\10012002\I642034.raw

p.6

ENTERED

3 <110> APPLICANT: Mack, David
 4 Gish, Kurt C.
 5 Eos Biotechnology, Inc.
 7 <120> TITLE OF INVENTION: Novel Methods of Diagnosing Breast Cancer,
 8 Compositions, and Methods of Screening for Breast
 9 Cancer Modulators
 11 <130> FILE REFERENCE: 018501-009700US
 13 <140> CURRENT APPLICATION NUMBER: US 09/642,034
 14 <141> CURRENT FILING DATE: 2000-08-18
 16 <150> PRIOR APPLICATION NUMBER: US 09/268,865
 17 <151> PRIOR FILING DATE: 1999-03-15
 19 <150> PRIOR APPLICATION NUMBER: US 09/450,810
 20 <151> PRIOR FILING DATE: 1999-11-29
 22 <150> PRIOR APPLICATION NUMBER: US 09/453,137
 23 <151> PRIOR FILING DATE: 1999-12-02
 25 <150> PRIOR APPLICATION NUMBER: US 09/525,361
 26 <151> PRIOR FILING DATE: 2000-03-15
 28 <150> PRIOR APPLICATION NUMBER: WO PCT/US00/06952
 29 <151> PRIOR FILING DATE: 2000-03-15
 31 <160> NUMBER OF SEQ ID NOS: 7
 33 <170> SOFTWARE: PatentIn Ver. 2.1
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 45 <222> LOCATION: (138)..(2405)
 46 <223> OTHER INFORMATION: human BCR4
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 51 gcgagagacga aggcgcaatg gcgaggaagt tatctgtaat cttgatcctg acctttgccc 180
 52 tctctgtcac aaatccccctt catgaactaa aagcagctgc ttccccccag accactgaga 240
 53 aaattagtcc gaattgggaa tctggcatta atgttgactt ggcaatttcc acacggcaat 300
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 56 accacgacca tcaactcagac caccagcatc actcagacca tgagcgtcac tcagaccatg 480
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62 ccaaagatgt aagcagctcc actccacca gtgtcacatc aaagagccgg gtgagccggc 840
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105 gagcaattgt ctttatatac ggtactgtag ccatactagg cctgtctgtg gcattctcta 3420
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109 <210> SEQ ID NO: 2
110 <211> LENGTH: 18

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112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
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117     LIV-1
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129 <223> OTHER INFORMATION: Description of Artificial Sequence:sequence in
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131     found in published human LIV-1
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139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
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143 <223> OTHER INFORMATION: open reading frame encoding human breast cancer
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146 <400> SEQUENCE: 4
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182 gctctgggtg atatggtacc tgaaatgctg cacaatgatg ctagtgacca tggatgtagc 2160
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200 Thr Glu Lys Ile Ser Pro Asn Trp Glu Ser Gly Ile Asn Val Asp Leu
201 35 40 45
202 Ala Ile Ser Thr Arg Gln Tyr His Leu Gln Gln Leu Phe Tyr Arg Tyr
203 50 55 60
204 Gly Glu Asn Asn Ser Leu Ser Val Glu Gly Phe Arg Lys Leu Leu Gln
205 65 70 75 80
206 Asn Ile Gly Ile Asp Lys Ile Lys Arg Ile His Ile His His Asp His
207 85 90 95
208 Asp His His Ser Asp His Glu His His Ser Asp His Glu Arg His Ser
209 100 105 110
210 Asp His Glu His His Ser Asp His Glu His His Ser Asp His Asp His
211 115 120 125
212 His Ser His His Asn His Ala Ala Ser Gly Lys Asn Lys Arg Lys Ala
213 130 135 140
214 Leu Cys Pro Asp His Asp Ser Asp Ser Ser Gly Lys Asp Pro Arg Asn
215 145 150 155 160
216 Ser Gln Gly Lys Gly Ala His Arg Pro Glu His Ala Ser Gly Arg Arg
217 165 170 175
218 Asn Val Lys Asp Ser Val Ser Ala Ser Glu Val Thr Ser Thr Val Tyr
219 180 185 190
220 Asn Thr Val Ser Glu Gly Thr His Phe Leu Glu Thr Ile Glu Thr Pro
221 195 200 205
222 Arg Pro Gly Lys Leu Phe Pro Lys Asp Val Ser Ser Ser Thr Pro Pro

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225 225      230      235      240
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227      245      250      255
228 Thr Asn Glu Asn Pro Gln Glu Cys Phe Asn Ala Ser Lys Leu Leu Thr
229      260      265      270
230 Ser His Gly Met Gly Ile Gln Val Pro Leu Asn Ala Thr Glu Phe Asn
231      275      280      285
232 Tyr Leu Cys Pro Ala Ile Ile Asn Gln Ile Asp Ala Arg Ser Cys Leu
233      290      295      300
234 Ile His Thr Ser Glu Lys Lys Ala Glu Ile Pro Pro Lys Thr Tyr Ser
235 305      310      315      320
236 Leu Gln Ile Ala Trp Val Gly Gly Phe Ile Ala Ile Ser Ile Ile Ser
237      325      330      335
238 Phe Leu Ser Leu Leu Gly Val Ile Leu Val Pro Leu Met Asn Arg Val
239      340      345      350
240 Phe Phe Lys Phe Leu Leu Ser Phe Leu Val Ala Leu Ala Val Gly Thr
241      355      360      365
242 Leu Ser Gly Asp Ala Phe Leu His Leu Leu Pro His Ser His Ala Ser
243      370      375      380
244 His His His Ser His Ser His Glu Glu Pro Ala Met Glu Met Lys Arg
245 385      390      395      400
246 Gly Pro Leu Phe Ser His Leu Ser Ser Gln Asn Ile Glu Glu Ser Ala
247      405      410      415
248 Tyr Phe Asp Ser Thr Trp Lys Gly Leu Thr Ala Leu Gly Gly Leu Tyr
249      420      425      430
250 Phe Met Phe Leu Val Glu His Val Leu Thr Leu Ile Lys Gln Phe Lys
251      435      440      445
252 Asp Lys Lys Lys Lys Asn Gln Lys Lys Pro Glu Asn Asp Asp Asp Val
253      450      455      460
254 Glu Ile Lys Lys Gln Leu Ser Lys Tyr Glu Ser Gln Leu Ser Thr Asn
255 465      470      475      480
256 Glu Glu Lys Val Asp Thr Asp Asp Arg Thr Glu Gly Tyr Leu Arg Ala
257      485      490      495
258 Asp Ser Gln Glu Pro Ser His Phe Asp Ser Gln Gln Pro Ala Val Leu
259      500      505      510
260 Glu Glu Glu Glu Val Met Ile Ala His Ala His Pro Gln Glu Val Tyr
261      515      520      525
262 Asn Glu Tyr Val Pro Arg Gly Cys Lys Asn Lys Cys His Ser His Phe
263      530      535      540
264 His Asp Thr Leu Gly Gln Ser Asp Asp Leu Ile His His His His Asp
265 545      550      555      560
266 Tyr His His Ile Leu His His His His His Gln Asn His His Pro His
267      565      570      575
268 Ser His Ser Gln Arg Tyr Ser Arg Glu Glu Leu Lys Asp Ala Gly Val
269      580      585      590
270 Ala Thr Leu Ala Trp Met Val Ile Met Gly Asp Gly Leu His Asn Phe
271      595      600      605

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 3